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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/084,040	02/27/2002	Bane Vasic	S01.12-0864	8408

7590 10/05/2004

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EXAMINER

MAI, LAM T

ART UNIT	PAPER NUMBER
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2819

DATE MAILED: 10/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/084,040

Applicant(s)

VASIC ET AL.

Examiner

LAM T. MAI

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 February 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 11, 17 and 18 is/are rejected.
- 7) ☒ Claim(s) 3-10, 12-16 and 19-21 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2/02;10/02.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim 3 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim is dependent on claim 2 which is cancelled.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 11, 17 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by USP 6,084,535 (Karabed et al).

Regarding claim 17, Karabed discloses in figure 9 an input (elem. b) which receives a sequence of m message bits of a message word and means for mapping (elem. 906-914) the sequence of m message bits of the message word to a codeword, of length n bits generated from the m message bits using algebraic operation (figures

10-14; col. 13-15) by generating a plurality of codeword candidates and selecting (elem. 916) one of the plurality of codeword (elem. 906-914) candidates based upon an optimizing criteria (elem. 902) (col. 11, starting lines 26 to col. 13, ending at line 57).

Regarding claim 18, Karabed teaches in figure 9 for mapping a plurality of parallel processing branches (elem. 906,908,910,912,914) each generating a different codeword candidate from the message bits using algebraic operations (figures 10-14; col. 13-15) and a selector (elem. 916) for selecting one of a plurality of codeword candidates, based upon an optimizing criteria (elem. 902).

Regarding claim 11, Karabed discloses in figure 9 the following:

An input (elem. b) which receives a sequence of m message bits of a message word;

A plurality of parallel processing branches (elem. 906,908,910,912,914) each generating a different codeword candidate from the message bits using algebraic operations (figures 10-14; col. 13-15) and

A selector (elem. 916) for selecting one of the plurality of codeword candidates, each generated by a different one of the plurality of parallel processing branches based upon an optimizing criteria (elem. 902) (col. 11, starting lines 26 to col. 13, ending at line 57).

Regarding claim 1, Karabed discloses in figure 9 an input (elem. b) which receives a sequence of m message bits of a message word and means for mapping (elem. 906-914) the sequence of m message bits of the message word to a codeword, of length n bits generated from the m message bits using algebraic operation (figures

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10-14; col. 13-15) by generating a plurality of codeword candidates and selecting (elem. 916) one of the plurality of codeword (elem. 906-914) candidates based upon an optimizing criteria (elem. 902) (col. 11, starting lines 26 to col. 13, ending at line 57). Claim 1 restates the same limitations above in method format, therefore, it is rejected with the same rationales as rejected in claim 17.

Allowable Subject Matter

Claims 3-10, 12-16, and 19-21 are objected to as being dependent upon a rejected base claim, but they would be considered allowable if they are rewritten in independent form including all of the limitations of the base claim and any intervening claims. The objected claim features are not taught or suggested by prior art.

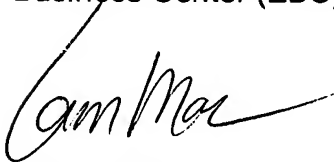
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAM T. MAI whose telephone number is (571)272-1807. The examiner can normally be reached on 6:00 am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Tokar can be reached on (571) 272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Lam Mai", with a stylized flourish extending from the end.

Lam T. Mai
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